

TRAIL R4/TNFRSF10D Protein, Human, Recombinant (His & Avi), Biotinylated

General Information

Synonyms:	TNFRSF10D;CD264;TRUNDD;DCR2;RSF10D;TRAILR4
Protein Construction:	Ala56-His211
Species:	Human
Expression Host:	HEK293 Cells
Accession:	Q9UBN6
Molecular Weight:	19.4 kDa (predicted). Due to glycosylation, the protein migrates to 38-50 kDa based on Tris-Bis PAGE result.

QC Testing

Biological Activity:	<ol style="list-style-type: none">1. Immobilized Human TRAIL, No Tag at 5µg/ml (100µl/well) on the plate. Dose response curve for Biotinylated Human TRAIL R4, His Tag with the EC50 of 0.14µg/ml determined by ELISA (QC Test).2. Biotinylated Human TRAIL R4, His-Avi Tag immobilized on CM5 Chip can bind Human TRAIL, No Tag with an affinity constant of 0.135 nM as determined in SPR assay.
Purity:	> 95% as determined by Tris-Bis PAGE; > 95% as determined by HPLC
Endotoxin:	< 1.0 EU/µg of the protein as determined by the LAL method.
Formulation:	Lyophilized from a solution filtered through a 0.22 µm filter, containing PBS (pH 7.4). Typically, 8% trehalose is incorporated as a protective agent before lyophilization.

Preparation and Storage

Reconstitution:

Reconstitute the lyophilized protein in distilled water. The product concentration should not be less than 100 µg/ml. Before opening, centrifuge the tube to collect powder at the bottom. After adding the reconstitution buffer, avoid vortexing or pipetting for mixing.

Stability & Storage:

It is recommended to store recombinant proteins at -20°C to -80°C for future use. Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Protein Background

TNF-related apoptosis inducing ligand (TRAIL) is a potential antitumor protein known for its ability to selectively eliminate various types of tumor cells without exerting toxic effects in normal cells and tissues. TRAIL-R2/DR5 as

well as TRAIL-R3/DcR1 and TRAIL-R4/DcR2 were significantly higher expressed in advanced tumour stages.

Reference

Werner TA, et al. IAPs cause resistance to TRAIL-dependent apoptosis in follicular thyroid cancer. *Endocr Relat Cancer*. 2018 Mar;25(3):295-308. doi: 10.1530/ERC-17-0479. Epub 2018 Jan 9. PMID: 2931748

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481